

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2000064061 A**

(43) Date of publication of application: **29.02.00**

(51) Int. Cl

**C23C 28/00**  
**B32B 15/08**  
**C22C 38/00**  
**C22C 38/50**  
**C23C 2/06**

(21) Application number: **10231262**

(22) Date of filing: **18.08.98**

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(54) **PRECOATED STEEL SHEET EXCELLENT IN  
CORROSION RESISTANCE**

(57) Abstract:

**PROBLEM TO BE SOLVED:** To produce a precoated steel sheet having sufficient corrosion resistance even in severe using environments such as the outdoors.

**SOLUTION:** The surface of a steel sheet is provided with a galvannealing layer contg., by weight, 1 to 10% Mg, 2 to 19% Al and 0.01 to 2% Si; furthermore contg. one or <sup>3</sup> two kinds among 0.01 to 0.5% Ca, 0.01 to 0.2% Be,

0.01 to 0.2% Ti, 0.1 to 1.0% Cu, 0.01 to 0.2% Ni, 0.01 to 0.3% Co, 0.01 to 0.2% Cr and 0.01 to 0.5% Mn in which the total content of the elements other than these elements is suppressed to 20.5%, also, among which, 20.1% Pb, 20.02% Sn and 20.1% Sb are limited, and the balance Zn as a lower layer, with a chromate film layer as an intermediate layer and with an organic film layer of 1 to 100  $\mu$ m thickness as an upper layer. The organic film is preferably composed of a thermosetting resin coating film.

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